In the Claims

1. (ORIGINAL) A composite core nonlinear reactor comprising:

a first core member made of a high-magnetic-permeability material and forming a continuous annular magnetic path;

a second core member made of a high-magnetic-permeability material and forming an annular magnetic path locally broken by an interstice;

a magnetic shielding plate made of a low-magnetic-permeability material having high electric conductivity and high heat conductivity, integrally sandwiched between the first core member and the second core member; and

a coil,

wherein the annular magnetic path of the first core member and the annular magnetic path of the second core member are juxtaposed sandwiching the magnetic shielding plate, the coil being wound such that the coil commonly crosses consecutively both of the annular magnetic paths.

2. (ORIGINAL) A composite core nonlinear reactor according to claim 1, wherein the magnetic shielding plate is joined integrally to the outer surfaces of both the first core member and the second core member.

3. (ORIGINAL) A composite core nonlinear reactor comprising:

two first core members made of a high-magnetic-permeability material and each forming a continuous annular magnetic path;

a second core member made of a high-magnetic-permeability material and forming an annular magnetic path locally broken by an interstice;

two magnetic shielding plates made of a low-magnetic-permeability material having high electric conductivity and high heat conductivity, positioned on each side of the second core member respectively, each of the two magnetic shielding plates being integrally sandwiched between the first core members and the second core member, respectively; and

a coil,

wherein the annular magnetic path of each of the two first core members and the annular magnetic path of the second core member are juxtaposed in a triple-in-line formation

sandwiching the two magnetic shielding plates, the coil being wound such that the coil commonly crosses consecutively the triple-in-line annular magnetic paths.

4. (ORIGINAL) A composite core nonlinear reactor according to claim 3, wherein the magnetic shielding plate is joined integrally to each of the outer surfaces of the two first core members.

5. (CURRENTLY AMENDED) A composite core nonlinear reactor according to ~~any one of claims 1 to 4~~ claim 1, wherein the magnetic shielding plate is provided integrally with a heat dissipation fin portion having a geometry that extrudes and spreads out of geometries of the first core member and the second core member.

6. (CURRENTLY AMENDED) A composite core nonlinear reactor according to ~~any one of claims 1 to 5~~ claim 1, wherein the magnetic shielding plate and the core members are joined together in an electrically insulated manner.

7. (CURRENTLY AMENDED) An induction incoming circuit for supplying electric power from a resonance circuit to a load, comprising:

a receiving coil placed in an alternating field at a predetermined frequency and for generating an induced electromotive force; and

a resonance capacitor connected with the receiving coil and forming a resonance circuit tuned to the frequency of the magnetic field,

wherein the coil of the composite core nonlinear reactor according to ~~any one of claims 1 to 6~~ claim 1 is connected in parallel to the resonance capacitor.

Please add the following claims:

8. (NEW) A composite core nonlinear reactor according to claim 2, wherein the magnetic shielding plate is provided integrally with a heat dissipation fin portion having a geometry that extrudes and spreads out of geometries of the first core member and the second core member.

9. (NEW) A composite core nonlinear reactor according to claim 3, wherein the magnetic shielding plate is provided integrally with a heat dissipation fin portion having a geometry that extrudes and spreads out of geometries of the first core member and the second core member.

10. (NEW) A composite core nonlinear reactor according to claim 4, wherein the magnetic shielding plate is provided integrally with a heat dissipation fin portion having a geometry that extrudes and spreads out of geometries of the first core member and the second core member.

11. (NEW) A composite core nonlinear reactor according to claim 2, wherein the magnetic shielding plate and the core members are joined together in an electrically insulated manner.

12. (NEW) A composite core nonlinear reactor according to claim 3, wherein the magnetic shielding plate and the core members are joined together in an electrically insulated manner.

13. (NEW) A composite core nonlinear reactor according to claim 4, wherein the magnetic shielding plate and the core members are joined together in an electrically insulated manner.

14. (NEW) A composite core nonlinear reactor according to claim 5, wherein the magnetic shielding plate and the core members are joined together in an electrically insulated manner.

15. (NEW) A composite core nonlinear reactor according to claim 8, wherein the magnetic shielding plate and the core members are joined together in an electrically insulated manner.

16. (NEW) A composite core nonlinear reactor according to claim 9, wherein the magnetic shielding plate and the core members are joined together in an electrically insulated manner.

17. (NEW) A composite core nonlinear reactor according to claim 10, wherein the magnetic shielding plate and the core members are joined together in an electrically insulated manner.

18. (NEW) An induction incoming circuit for supplying electric power from a resonance circuit to a load, comprising:

a receiving coil placed in an alternating field at a predetermined frequency and for generating an induced electromotive force; and

a resonance capacitor connected with the receiving coil and forming a resonance circuit tuned to the frequency of the magnetic field,

wherein the coil of the composite core nonlinear reactor according to claim 2 is connected in parallel to the resonance capacitor.

19. (NEW) An induction incoming circuit for supplying electric power from a resonance circuit to a load, comprising:

a receiving coil placed in an alternating field at a predetermined frequency and for generating an induced electromotive force; and

a resonance capacitor connected with the receiving coil and forming a resonance circuit tuned to the frequency of the magnetic field,

wherein the coil of the composite core nonlinear reactor according to claim 3 is connected in parallel to the resonance capacitor.

20. (NEW) An induction incoming circuit for supplying electric power from a resonance circuit to a load, comprising:

a receiving coil placed in an alternating field at a predetermined frequency and for generating an induced electromotive force; and

a resonance capacitor connected with the receiving coil and forming a resonance circuit tuned to the frequency of the magnetic field,

wherein the coil of the composite core nonlinear reactor according to claim 4 is connected in parallel to the resonance capacitor.